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TRANSMITTAL FORM <i>(to be used for all correspondence after initial filing)</i>	Application Number	10/705,517	
	Filing Date	November 10, 2003	
	First Named Inventor	David A. Ferrera	
	Art Unit	Unknown	
	Examiner Name	Unknown	
Total Number of Pages in This Submission		Attorney Docket Number	MICRU:66180

ENCLOSURES (check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): RETURN POSTCARD
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Date	JANUARY 13, 2004

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I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the			
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Signature		Date	JANUARY 13, 2004

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of

DAVID A. FERRERA, ET AL.

Serial No. 10/705,517

Filed: November 10, 2003

For: VARIABLE STIFFNESS COIL FOR
VASOOCCLUSIVE DEVICES

Prior Examiner: Gary Jackson

Prior Group Art Unit: 3731

Client ID/Matter No. MICRU:66180

Date: January 13, 2004
Los Angeles, CA 90045

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

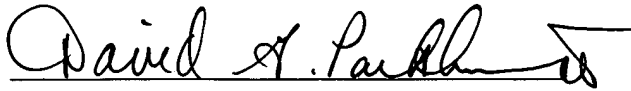
In accordance with 37 CFR §1.97(b)(3) and §1.98(d), enclosed are copies of the Information Disclosure Statement, Supplemental Information Disclosure Statement and three PTO 892 documents, as cited in the prior application, U.S. Serial No. 09/991,021, filed November 15, 2001, now Patent No. 6,656,201, which is a Divisional of Serial No. 09/211,783 filed December 15, 1998, now Patent No. 6,383,204.

The references listed were previously submitted or were cited in the aforementioned prior applications. It is believed that these references will be helpful during examination of the application, and it is believed that no fee is due in connection

with this paper. However, should a fee be required, the Commissioner is authorized to charge the fee due in connection with this matter to Deposit Account No. 06-2425. A duplicate copy of this paper is enclosed.

Respectfully submitted,

FULWIDER PATTON LEE & UTECHT, LLP

By: 
David G. Parkhurst
Registration No. 29,422

JWP:sn

Enc:

Howard Hughes Center
6060 Center Drive, Tenth Floor
Los Angeles, CA 90045
Telephone: (310) 824-5555
Facsimile: (310) 824-9696
Customer No. 24201

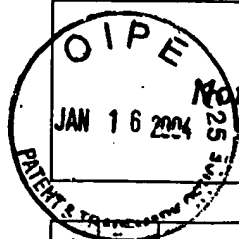
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<div style="display: flex; align-items: center;"> <div> <p style="font-size: 1.2em; margin: 0;">Notice of References Cited</p> </div> </div>				Application No. 09/211,783		Applicant(s) Ferrera et al.	
				Examiner Jonathan Goldberg		Group Art Unit 3731	

U.S. PATENT DOCUMENTS						
	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	
A	4,503,569	3/12/85	Dotter	128	325	
B	5,624,461	4/29/97	Mariant	606	191	
C	5,830,230	11/3/98	Berryman et al.	606	200	
D						
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FOREIGN PATENT DOCUMENTS						
	DOCUMENT NO.	DATE	COUNTRY	NAME	CLASS	SUBCLASS
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P						
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S						
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NON-PATENT DOCUMENTS	
	DOCUMENT (Including Author, Title, Source, and Pertinent Pages)
U	"Dictionary of Metallurgy" by D. Birchon, p. 182
V	
W	
X	

**Notice of References Cited**

Application/Control No. 09/991,021		Applicant(s)/Patent Under Reexamination FERRERA ET AL.	
Examiner Gary Jackson		Art Unit 3731	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A	US-4,503,569	03-1985	Dotter, Charles T.	623/1.19
*	B	US-5,624,461	04-1997	Mariant, Michael J.	606/191
*	C	US-5,639,277	06-1997	Mariant et al.	606/191
*	D	US-5,749,891	05-1998	Ken et al.	606/200
*	E	US-5,944,733	08-1999	Engelson, Erik T.	606/191
*	F	US-6,013,084	01-2000	Ken et al.	606/108
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	L	US-			
	M	US-			

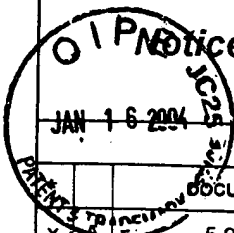
FOREIGN PATENT DOCUMENTS

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	O					
	P					
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	R					
	S					
	T					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
	V	
	W	
	X	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.



Application No. 09/211,783	Applicant(s) Ferrera et al.	
Examiner Jonathan Goldberg	Group Art Unit 3731	Page 1 f 1

U.S. PATENT DOCUMENTS

	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS
X	5,944,733	8/1999	Engelson	606	191
B					
C					
D					
E					
F					
G					
H					
I					
J					
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FOREIGN PATENT DOCUMENTS

*	DOCUMENT NO.	DATE	COUNTRY	NAME	CLASS	SUBCLASS
N						
O						
P						
Q						
R						
S						
T						

NON-PATENT DOCUMENTS

*	DOCUMENT (Including Author, Title, Source, and Pertinent Pages)	DATE
X	U Tottle, C.R., "An Encyclopaedia of Metallurgy and Materials", pp. 3, 11, 323-4	1985
	V	
	W	
	X	

* A copy of this reference is not being furnished with this Office action.
(See Manual of Patent Examining Procedure, Section 707.05(a).)

MAY 16 2000

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INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

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Sheet

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of

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Complete if Known

Application Number	09/211,783
Filing Date	December 15, 1998
First Named Inventor	DAVID A. FERRERA, et al.
Group Art Unit	3731
Examiner Name	J. Goldberg
Attorney Docket Number	MICRU-49656

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	U.S. Patent Document No.		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
		Number	Kind Code (if Known)				
4J		3,452,742		W.F. Muller	07-01-1969		
		4,553,545		Maass et al.	11-19-1985		
		4,950,258		Kawai et al.	08-21-1990		
		4,994,069		Ritchart, et al.	02-19-1991		
		5,139,243		Balsells	08-18-1992		
		5,234,437		Sepetka	08-10-1993		
		5,256,146		Ensminger et al.	10-26-1993		
		5,261,916		Engelson	11-16-1993		
		5,304,195		Twyford, Jr. et al.	04-19-1994		
		5,312,356		Engelson et al.	05-17-1994		
		5,334,210		Gianturco	08-02-1994		
		5,380,304		Parker	01-10-1995		
		5,417,708		Hall et al.	05-23-1995		
		5,421,338		Crowley et al.	06-06-1995		
		5,437,282		Koger et al.	08-01-1995		
		5,522,822		Phelps et al.	06-04-1996		
4J		5,527,338		Purdy	06-18-1996		
		5,536,274		Neuss	07-16-1996		

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear		T
		Office	Number	Kind Code (if Known)					
4J		DE	32 03 410 A1		VEB Kombinat	11-25-1982			
		WO	94/10936		Target Therapeutics, Inc.	05-26-1994			
		WO	94/16629		Instent Inc.	08-04-1994			

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T
4J		Y. PIERRE GOBIN, M.D., ET AL., "TREATMENT OF LARGE AND GIANT FUSIFORM INTRACRANIAL ANEURYSMS WITH GUGLIELMI DETACHABLE COILS," J. NEUROSURG., JANUARY 1996, PAGES 55-62, VOLUME 84	
4J		CAMERON G. MCDUGALL, M.D., ET AL., "ENDOVASCULAR TREATMENT OF BASILAR TIP ANEURYSMS USING ELECTROLYTICALLY DETACHABLE COILS," J. NEUROSURG., MARCH 1996, PAGES 393-399, VOLUME 84	

Examiner
Signature

JACKSON, GARY

Date
Considered

01-16-01

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MAY 16 2000

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Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet

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of

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Complete if Known

Application Number	09/211,783
Filing Date	December 15, 1998
First Named Inventor	DAVID A. FERRERA, et al.
Group Art Unit	3731
Examiner Name	J. Goldberg
Attorney Docket Number	MICRU-49656

U.S. PATENT DOCUMENTS

C/455/546

Examiner Initials	Cite No.	U.S. Patent Document No.		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
		Number	Kind Code (if Known)				
DJ		5,540,680		Guglielmi et al.	07-30-1996		
		5,562,698		Parker	10-08-1996		
		5,601,600		Ton	02-11-1997		
		5,624,449		Pham et al.	04-29-1997		
		5,645,082		Sung et al.	07-08-1997		
		5,645,558		Horton	07-08-1997		
		5,649,949		Wallace, et al.	07-22-1997		
		5,669,905		Scheldrup et al.	09-23-1997		
		5,669,931		Kupiecki et al.	09-23-1997		
		5,690,667		Gia	11-25-1997		
		5,693,067		Purdy	12-02-1997		
		5,700,258		Mirigian et al.	12-23-1997		
		5,718,711		Berenstein et al.	02-17-1998		
		5,725,546		Samson	03-10-1998		
		5,733,329		Wallace et al.	03-31-1998		
		5,743,905		Eder et al.	04-28-1998		
		5,746,769		Ton et al.	05-05-1998		
		5,749,891		Ken et al.	05-12-1998		

FOREIGN PATENT DOCUMENTS

C/455/546

Examiner Initials	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear		T
		Office	Number	Kind Code (if Known)					
DJ		wo	95/18585		Microfil Industry S.A.	07-13-1995			
		EP	0 747 012 A1		Target Therapeutics, Inc.	11-12-96			
		EP	0 747 014 A1		Target Therapeutics, Inc.	11-12-1996			
		DE	197 04 269 A1		pfm Produkte	11-20-1997			

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T

Examiner Signature	JACKSON, GARY	Date Considered	01-16-01
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Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Attorney Docket Number	MICRU-49656
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Examiner Initials	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Office	Number	Kind Code (if Known)				
<i>JS</i>		WO	97/48351		Medical University of S.C.	12-24-1997		
<i>JS</i>		EP	0 820 726 A2		Target Therapeutics, Inc.	01-28-1998		
<i>JS</i>		WO	99/07294		Target Therapeutics, Inc.	02-18-1999		
<i>JS</i>		WO	99/29260		Micrus Corporation	06-17-1999		

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T

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U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE				ATTY. DOCKET NO. MICRU:49656		SERIAL NO. 09/211,783	
INFORMATION DISCLOSURE CITATION (Use Several Sheets If Necessary)				APPLICANT DAVID A. FERRERA, ET AL.			
				FILING DATE December 15, 1998		GROUP 3731 606/191	

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CL ASS	SUB CLASS	FILING DATE IF APPLICABLE	
JOG	5,336,205	AUGUST 9, 1994	ZENZEN ET AL.				
	5,350,397	SEPTEMBER 27, 1994	PALERMO ET AL.				
	5,354,295	OCTOBER 11, 1994	GUGLIELMI ET AL.				
	5,312,415	MAY 17, 1994	PALERMO				
	5,639,277	JUNE 17, 1997	MARIANT ET AL.				
	5,649,949	JULY 22, 1997	WALLACE ET AL.				
	5,222,969	JUNE 29, 1993	GILLIS				
	5,607,445	MARCH 4, 1997	SUMMERS				
	5,667,522	SEPTEMBER 16, 1997	FLOMENBLIT ET AL.				
	5,514,176	MAY 7, 1996	BOSLEY, JR.				
JOG	5,582,619	DECEMBER 10, 1996	KEN				

FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CL ASS	SUB CLASS	TRANSLATION	
						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)	
REFERENCES JOG JOG JOG JOG JOG	SADEK K. HILAL, M.D. ET AL. JOURNAL OF NEUROLOGICAL SURGERY "THERAPEUTIC PERCUTANEOUS EMBOLIZATION FOR EXTRA-AXIAL VASCULAR LESIONS OF THE HEAD, NE AND SPINE" SEPTEMBER, 1975; PAGES 275 - 287. STEPHEN L. KAUFMAN, M.D. ET AL. INVESTIGATIVE RADIOLOGY, MAY-JUNE 1978 "TRANSCATHETER EMBOLIZATION WITH MICROFIBRILLAR COLLAGEN IN SWINE"; PAGES 200-204 ASHOK J. KUMAR, ET AL., JOURNAL OF NEURORADIOLOGY (1982) "PREOPERATIVE EMBOLIZATION OF HYPERVASCULAR HEAD AND NECK NEOPLASMS USING MICROFIBRILLAR COLLAGEN", PAGES 163 -168. RICHARD E. LATCHAW, M.D. ET AL., RADIOLOGY (1979) "POLYVINYL FOAM EMBOLIZATION OF VASCULAR AND NEOPLASTIC LESIONS OF THE HEAD, NECK AND SPINE" PAGES 669 - 67. STEWART R. REUTER, M.D. ET AL. AMERICAN JOURNAL OF RADIOLOGY, SEPTEMBER 1975 "SELECTIVE ARTERIAL EMBOLIZATION FOR CONTROL OF MASSIVE UPPER GASTROINTESTINAL BLEEDING" PAGES 119 - 126.

EXAMINER <i>Jonathan D. Goldberg</i>	DATE CONSIDERED <i>10/29/99</i>
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EXAMINER Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with re: communication with applicants.

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Sheet 3

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. MICRU:49656		SERIAL NO. 09/211,783	
INFORMATION DISCLOSURE CITATION (Use Several Sheets if Necessary)		APPLICANT DAVID A. FERRERA, ET AL.			
		FILING DATE December 15, 1998		GROUP 3731 606/191	

U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPLICABLE
JAG	5,562,641	OCTOBER 8, 1996	FLOMENBLIT ET AL.			
	5,549,624	AUGUST 27, 1996	MIRIGIAN ET AL.			
	4,994,069	FEBRUARY 19, 1991	RITCHART ET AL.			
	5,226,911	JULY 13, 1993	CHEE ET AL.			
	5,690,666	NOVEMBER 25, 1997	BERENSTEIN ET AL.			
	5,522,836	JUNE 4, 1996	PALERMO			
	5,569,245	OCTOBER 29, 1996	GUGLIELMI ET AL.			
	4,768,507	SEPTEMBER 6, 1988	FISCHELL ET AL.			
	4,795,458	JANUARY 3, 1989	REGAN			
✓	4,800,882	JANUARY 31, 1989	GIANTURCO			
JAG	4,813,925	MARCH 21, 1989	ANDERSON, JR. ET AL.			

FOREIGN PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION
						YES

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)	
JAG	GLENN H. ROBERSON, ET AL., AMERICAN JOURNAL OF RADIOLOGY, OCTOBER 1979 "THERAPEUTIC EMBOLIZATION OF JUVENILE ANGIOFIBROMA" PAGES 657 -663
JAG	SIDNEY WALLACE, M.D. ET AL., CANCER, OCTOBER 1979 "ARTERIAL OCCLUSION OF PELVIC BONE TUMORS"; PAGES 322-325 & 661-663
ARTICLES JAG JAG	"MECHANICAL DEVICES FOR ARTERIAL OCCLUSION" BY C. GIANTURCO, M.D., ET AL., JULY 1979 PAGES 428 - 435
JAG JAG	"THERAPEUTIC VASCULAR OCCLUSION UTILIZING STEEL COIL TECHNIQUE: CLINICAL APPLICATIONS" BY SIDNEY WALLACE, ET AL., AM J. ROENTGENOL (1976); PAGES 381-387
JAG JAG	"TRANSCATHETER INTRAVASCULAR COIL OCCLUSION OF EXPERIMENTAL ARTERIOVENOUS FISTULAS". BY JAMES H. ANDERSON, ET AL., AM. J. ROENTGENOL, NOVEMBER 1977, PAGES 795 -798.

EXAMINER <i>Jonathan D. Goldblum</i>	DATE CONSIDERED <i>10/29/99</i>
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Sheet 4

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE				ATTY. DOCKET NO. MICRU:49656		SERIAL NO. 09/211,783	
INFORMATION DISCLOSURE CITATION <small>(Use Several Sheets If Necessary)</small>				APPLICANT DAVID A. FERRERA, ET AL.			
				FILING DATE December 15, 1998		GROUP 3731 606/191	

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPLICABLE	
JRG	4,856,516	AUGUST 15, 1989	HILLSTEAD				
	4,957,479	SEPTEMBER 18, 1990	ROEMER				
	4,990,155	FEBRUARY 5, 1991	WILKOFF				
	5,041,084	AUGUST 20, 1991	DeVRIES ET AL.				
	5,133,732	JULY 28, 1992	WIKTOR				
	5,141,502	AUGUST 25, 1992	MACALUSO, JR.				
	5,147,370	SEPTEMBER 15, 1992	McNAMARA ET AL.				
	5,160,341	NOVEMBER 3, 1992	BRENNEMAN ET AL.				
	5,176,625	JANUARY 5, 1993	BRISSON				
	JRG	5,183,085	FEBRUARY 2, 1993	TIMMERMANS			
5,690,643		NOVEMBER 25, 1997	WIJAY				

FOREIGN PATENT DOMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION
						YES

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)	
ARTICLES	<div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;"> <p>" 'MINI' GIANTURCO STAINLESS STEEL COILS FOR TRANSCATHETER VASCULAR OCCLUSION" JAMES H. ANDERSON, ET AL., FROM THE DEPARTMENT OF DIAGNOSTIC RADIOLOGY AT THE UNIVERSITY OF TEXAS SYSTEM CANCER CENTER, AUGUST 1978, PAGES 301 - 303.</p> </div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;"> <p>"A NEW IMPROVED COIL FOR TAPERED-TIP CATHETER FOR ARTERIAL OCCLUSION" BY VINCE P. CHUANG, M.D., ET AL., MAY 1980, PAGES 507 - 509</p> </div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;"> <p>"NEUROSURGERY INTERACTIVE ARTICLE PART 2 - CLINICAL STUDIES EMBOLIZATION OF CEREBRAL ARTERIOVENOUS MALFORMATIONS: PART II-ASPECTS OF COMPLICATIONS AND LATE OUTCOME" BY CHRISTER LUNQVIST, M.D., PH.D., ET AL., SEPTEMBER 96, PAGES 1-16</p> </div> <div style="border: 1px solid black; padding: 5px;"> <p>"SHAPE MEMORY ALLOYS" BY JEFF PERKINS, PAGES 1095-1096</p> </div>

EXAMINER <i>Jonathan D. Goldberg</i>	DATE CONSIDERED <i>10/29/99</i>
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11/99

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE				ATTY. DOCKET NO. MICRU:49656		SERIAL NO. 09/211,783	
INFORMATION DISCLOSURE CITATION (Use Several Sheets If Necessary)				APPLICANT DAVID A. FERRERA, ET AL.			
				FILING DATE December 15, 1998		GROUP 3731 606/191	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CL ASS	SUB CLASS	FILING DATE IF APPLICABLE	
JDK	5,624,461	APRIL 29, 1997	MARIANT				
	5,637,113	JUNE 10, 1997	TARTAGLIA ET AL.				
	5,639,277	JUNE 17, 1997	MARIANT ET AL.				
	5,643,254	JULY 1, 1997	SCHELDROP ET AL.				
	5,676,697	OCTOBER 14, 1997	McDONALD				
	5,234,456	AUGUST 10, 1993	SILVESTRINI				
	5,304,194	APRIL 19, 1994	CHEE ET AL.				
	5,342,387	AUGUST 30, 1994	SUMMERS				
	5,382,259	JANUARY 17, 1995	PHELPS ET AL.				
	5,441,516	AUGUST 15, 1995	WANG ET AL.				
JDK	5,443,478	AUGUST 22, 1995	PURDY				
FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CL ASS	SUB CLASS	TRANSLATION	
						YES	NO
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
EXAMINER Jonathan D. Wolberg				DATE CONSIDERED 10/29/99			
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1-568 U.S. PTO

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE CITATION (Use Several Sheets if Necessary)	ATTY. DOCKET NO.	SERIAL NO.
	MICRU:49656	09/211,783
	APPLICANT DAVID A. FERRERA, ET AL.	
	FILING DATE	GROUP
	December 15, 1998	3731 606/191

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CL ASS	SUB CLASS	FILING DATE IF APPLICABLE
JOG	4,820,298	APRIL 11, 1989	LEVEEN ET AL.			
	4,850,960	JULY 25, 1989	GRAYZEL			
	4,954,126	SEPTEMBER 4, 1990	WALLSTEN			
	4,957,501	SEPTEMBER 18, 1990	LAHILLE ET AL.			
	5,064,435	NOVEMBER 12, 1991	PORTER			
	5,104,404	APRIL 14, 1992	WOLFF			
	5,133,731	JULY 28, 1992	BUTLER ET AL.			
	5,147,370	SEPTEMBER 15, 1992	McNAMARA ET AL.			
	5,151,105	SEPTEMBER 29, 1992	KWAN-GETT			
	5,176,661	JANUARY 5, 1993	EVARD ET AL.			
JOG	5,186,992	FEBRUARY 16, 1993	KITE, III			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CL ASS	SUB CLASS	TRANSLATION	
							YES	N

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER	<i>Jonathan D. Goldberg</i>	DATE CONSIDERED	10/29/99
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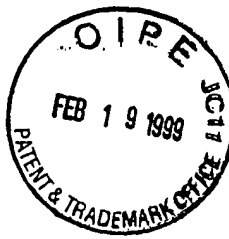


U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE				ATTY. DOCKET NO. MICRU:49656		SERIAL NO. 09/211, 783	
INFORMATION DISCLOSURE CITATION (Use Several Sheets if Necessary)				APPLICANT DAVID A. FERRERA, ET AL.			
				FILING DATE December 15, 1998		GROUP 3731 606/191	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLA SS	SUB CLA SS	FILING DATE IF APPLICABLE	
JAG ↓ JAG	5,203,772	APRIL 20, 1993	HAMMERSLAG ET AL.				
	5,824,037	OCTOBER 20, 1998	FOGARTY ET AL.				
	5,211,183	MAY 18, 1993	WILSON				
	5,807,404	SEPTEMBER 15, 1998	RICHTER				
	5,800,520	SEPTEMBER 1, 1998	FOGARTY ET AL.				
	4,695,426	SEPTEMBER 22, 1987	NYLUND				
	5,143,085	SEPTEMBER 1, 1992	WILSON				
	5,269,752	DECEMBER 14, 1993	BENNETT				
JAG	5,697,948	DECEMBER 16, 1997	MARIN ET AL.				
FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLA SS	SUB CLA SS	TRANSLATION	
						YES	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
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Form PTO-FB-A820

(also form PTO-1449)



OMB No. 0651-0011 (12/31/86)

Sheet 1 of

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. MICRU:49656		SERIAL NO. 09/211,783		
INFORMATION DISCLOSURE CITATION (Use Several Sheets if Necessary)		APPLICANT DAVID A. FERRERA, ET AL.				
		FILING DATE DECEMBER 15, 1998		GROUP 3731		
U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPLICABLE
JDS	5,690,671	NOVEMBER 25, 1997	MCGURK, ET AL.			
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES NO
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)						
EXAMINER Jonathan D. Goldberg			DATE CONSIDERED 10/29/99			
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Form PTO-FB-A820
(also form PTO-1449)

Sheet 1

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 1:560 U.S. PTO

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE				ATTY. DOCKET NO. MICRU:49656		SERIAL NO. 09/211,783	
INFORMATION DISCLOSURE CITATION <small>(Use Several Sheets if Necessary)</small>				APPLICANT DAVID A. FERRERA, ET AL.			
				FILING DATE December 15, 1998		GROUP 3731 606/191	

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPLICABLE	
<i>JOG</i> ↓ <i>JOG</i>	3,868,956	MARCH 4, 1975	ALFIDI ET AL.				
	4,494,531	JANUARY 22, 1985	GIANURCO				
	4,512,338	APRIL 23, 1985	BALKO ET AL.				
	4,748,986	JUNE 7, 1988	MORRISON ET AL.				
	4,994,069	FEBRUARY 19, 1991	RITCHART ET AL.				
	5,026,377	JUNE 25, 1991	BURTON ET AL.				
	5,108,407	APRIL 28, 1992	GEREMIA ET AL.				
	5,122,136	JUNE 16, 1992	GUGLIELMI ET AL.				
	5,217,484	JUNE 8, 1993	MARKS				
	5,228,453	JULY 20, 1993	SEPETKA				
	5,250,071	OCTOBER 5, 1993	PALERMO				

FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
						YES	NO
	DE 4102550 A1	08/08/1991	GERMANY				
<i>JOG</i>	UK 2 066 839 A	15 JULY 1981	UNITED KINGDOM				
<i>JOG</i>	EP 0 183372 A1	04.06.86	EUROPE				
<i>JOG</i>	EP 0 382014 A1	16.08.90	EUROPE				
	592.182	28 JULY, 1925	FRANCE				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)	
REFERENCES <i>JOG</i> <i>JOG</i>	CHRISTOS A. ATHANASOULIS, M.D. THE NEW ENGLAND JOURNAL OF MEDICINE, MAY 15, 1980 "THERAPEUTIC APPLICATIONS OF ANGIOGRAPHY" PAGES 1117 - 1125 (1 OF 2)
	CHRISTOS A. ATHANASOULIS, M.D. THE NEW ENGLAND JOURNAL OF MEDICINE, MAY 22, 1980 "THERAPEUTIC APPLICATIONS OF ANGIOGRAPHY" PAGES 1174 - 1179 (2 OF 2)
<i>JOG</i> <i>JOG</i>	ALEX BERENSTEIN, M.D. AND IRVIN I. KRICHEFF, M.D. "CATHETER AND MATERIAL SELECTION FOR TRANSARTERIAL EMBOLIZATION: TECHNICAL CONSIDERATIONS" RADIOLOGY, SEPTEMBER 1979; PAGES 631 - 639.
	O.A. BATTISTA, ET AL. JOURNAL OF APPLIED POLYMER SCIENCE 1967 "COLLOIDAL MACROMOLECULAR PHENOMENA. PART II. NOVEL MICROCRYSTALS OF POLYMERS" PAGES 481 - 498.

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